

The role of the Electronic, Computer and Communications sectors in the Sonora economic regional structure.

Topic: Regional input-output modeling VI

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The purpose of this paper is to analyze the role of the Electronic, Computer and Communications Technology (E&ICT) sectors in the sectoral structure of the State of Sonora, Mexico. The backwardness level of knowledge economy at national level at this stage of development, characterized by the knowledge, economy allows Sonora to generate plans that include the promotion of this sector.

In this analysis we used the input-output matrix built by the indirect methods and RAS algorithm, and through the calculation of sectoral linkages, backward linkages (BL) and forward linkages (FL) and the classification of key sectors of the input-output methodology given by A.O. Hirschman and N. P. Rasmussen, generating a discussion on the relevance of the use of Forward Linkages (FL) from Gosch model.

The results confirm that the Electronic industry is a key industry, however the interrelationships of Computer and Telecommunications sectors show a significant lag compared to its Forward Linkages and Backward Linkages, confirming the need to review the economic development plans that drive this sector.